

Attorney Docket No.: 4887.204-US

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Andersen et al.

Confirmation No: 7632

Serial No.: 09/261,329

Group Art Unit: 1652

Filed: March 3, 1999

Examiner: E. Slobodyansky

For: Cellulase Variants

**CERTIFICATE OF FACSIMILE TRANSMISSION**Commissioner for Patents  
Washington, DC 20231

Sir:

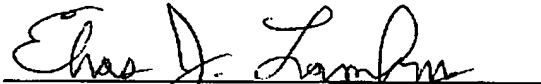
I hereby certify that the attached correspondence comprising:

1. Amendment Fee Transmittal (in duplicate)
2. Amendment

was sent to the United States Patent and Trademark Office by telefax to the attention of Examiner  
E. Slobodyansky, fax number (703) 746-5089.

Respectfully submitted,

Date: August 20, 2002



Elias J. Lambiris  
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## AMENDMENT FEE TRANSMITTAL

Commissioner for Patents  
Washington, DC 20231

Sir:

Transmitted herewith is an Amendment for the above-identified application.

The fee for claims has been calculated as shown below:

Total:  $69 - 42 = 27 \times 18 = \$486$ Independent:  $3 - 3 = 0 \times 84 = \$0$ 

Total additional fee for claims required is \$486.

Please charge the required claims fees, estimated to be \$486, to Novozymes North America, Inc., Deposit Account No. 50-1701. A duplicate of this sheet is enclosed.

Respectfully submitted,

Date: August 20, 2002

Elias J. Lambiris, Reg. No. 33,728  
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500 Fifth Avenue, Suite 1600  
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L.D.

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## AMENDMENT

Commissioner for Patents  
Washington, DC 20231

Sir:

Please amend the above-identified application as follows:

## IN THE CLAIMS:

Please cancel claims 37-78 without prejudice or disclaimer. Please add new claims 79-147:

(79) A modified cellulase having endoglucanase activity, comprising one or more substitutions in an amino acid sequence of a cellulase at positions selected from the group consisting of: 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 21, 21a, 42, 44, 45, 47, 48, 49, 49a, 49b, 74, 82, 95j, 110, 111, 112, 113, 114, 115, 116, 119, 121, 123, 127, 128, 129, 130, 131, 132, 132a, 133, 145, 146, 147, 148, 149, 150b, 178, and 179, 155

wherein the cellulase has an amino acid sequence of any of SEQ ID NOS: 1-11 and each position is numbered according to the amino acid sequence of the cellulase of SEQ ID NO: 1.

80. The modified cellulase of claim 79, comprising a substitution at position 4.

81. The modified cellulase of claim 79, comprising a substitution at position 5.

82. The modified cellulase of claim 79, comprising a substitution at position 6.